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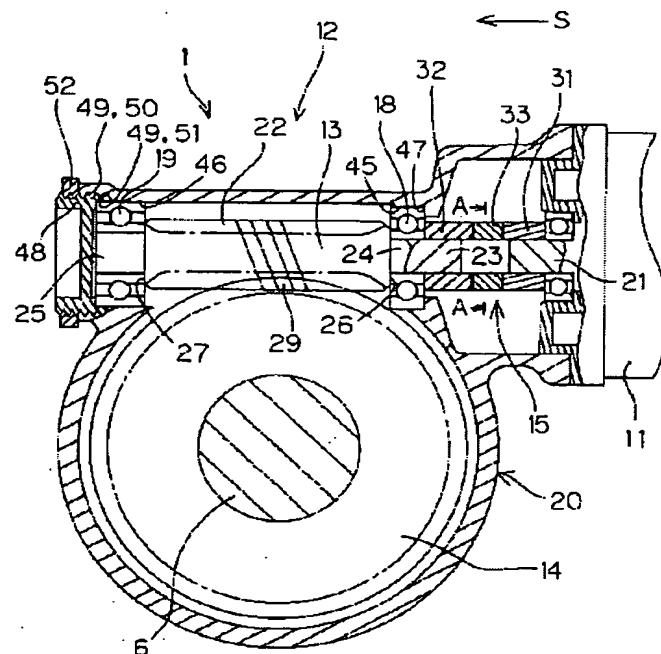
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**TITLE : POWER STEERING DEVICE AND
JOINT UNIT**



ABSTRACT : PROBLEM TO BE SOLVED: To solve a problem of feeling an unpleasant feeling when steering auxiliary force by an electric motor suddenly changes at kickback time in an electric power steering device of an automobile.

SOLUTION: In this power steering device 1, an elastic member 33 is interposed between a rotary shaft 21 of the electric motor 11 and a worm shaft 13 to transmit torque. The elastic member 33 relieves a sudden change in the torque from the electric motor 11 at kickback time, in its turn, a sudden change in the steering auxiliary force, and reduces the unpleasant feeling. An adjusting member 48 for positioning the worm shaft 13 in the shaft direction for adjusting a backlash of the worm shaft 13 and a worm wheel 14, is used in common for compressing the elastic member 33 for removing looseness and transmitting the torque so that a structure can be simplified. Thus, the electric motor hardly becomes an overload state.

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